	Application No.	Applicant(s)
Notice of Allowability	09/817,322	ROYER ET AL.
	Examiner	Art Unit	
	VAN H. NGUYEN	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the Appeal Brief filed 09/19/2007 and the telephonic interview on 12/04/2007*.

2. ☒ The allowed claim(s) is/are *1-15 and 17-24 (now renumbered as 1-23)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some*   c)☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

           International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date *6/27/2007*

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   This communication is responsive to the Appeal Brief filed 09/19/2007 and the

telephonic interview on 12/04/2007.

2.   **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as

provided by 37 CFR 1.312. To ensure consideration of such an amendment, it

MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Alexandria J. Burke (Reg. No. 40, 425) on 12/04/2007.

The application has been amended as follows:
In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

1. (Currently Amended) A system ~~for use in~~ used by a first application concurrently

operating together with a plurality of network compatible applications, comprising:

an entitlement processor for enabling user access to a first application of a

plurality of concurrently operating applications in response to validation of user

identification information; and

a communication processor employed by said first application of said plurality of

concurrently operating applications for intermittently communicating an activity

indication to a managing application within a timeout window, said activity indication

being generated in response to user action and being communicated sufficiently often to

prevent an inactivity timeout of said first application being initiated during normal

operation of said first application by said managing application in response to said

timeout window being exceeded; wherein

said first application and said managing application reside in one or more

computers and said first application notifies said managing application of one or more of,

(a) a session identifier for identifying a particular user initiated session, (b) a URL to be

contacted if said activity notification is not successful, (c) an identification of a type of

event preventing said activity notification from being successful.

2. (Previously Presented) A system according to claim 1, wherein said intermittently

communicated activity indication prevents an inactivity timeout of said plurality of

concurrently operating applications of a particular user initiated session.

3. (Original) A system according to claim 1, wherein said communication processor stores a plurality of activity indications and sends said plurality of activity indications as a batch to said managing application.

4. (Previously presented) A system according to claim 1, wherein

said normal operation comprises application operation exclusive of abnormal operation comprising an application failure condition and

said user action comprises at least one of, (a) keyboard activity, (b) mouse activity, (c) other data entry device activity and (d) another user initiated PC application operation activity.

5. (Currently Amended) A system according to claim 1, wherein

said first application and said managing application reside in the same personal computer (PC) ~~PC and~~

~~said activity indication notifies said managing application of activity by said first application and includes one or more of, (a) a session identifier for identifying a particular user initiated session, (b) a URL to be contacted if said activity notification is not successful, (c) an identification of a type of event preventing said activity notification from being successful.~~

6. (Original) A system according to claim 1, wherein said communication processor intermittently communicates activity indications to said managing application using a

plurality of different commands including an activity notification command and a

command involving at least one of, (a) determining a user operation session identifier

from said managing application and (b) sending a URL to said managing application.

7. (Original) A system according to claim 1, wherein said communication processor

communicates to said managing application a request to receive an activity indication

associated with said first application and maintained by said managing application, said

activity indication indicating time since the last activity update.

8. (Previously Presented) A system according to claim 1, wherein ˎ

    individual applications of said plurality of concurrently operating applications

independently intermittently communicate an activity indication to said managing

application and

    said communication processor communicates with a browser application

providing a user interface display permitting user entry of identification information for

validation by said entitlement processor.

9. (Original) A system according to claim 1, wherein said communication processor

communicates a time-out threshold value comprising said timeout window to said

managing application.

10. (Currently Amended) A system ~~for use~~ used by a managing application supporting

concurrent operation of a plurality of Internet compatible applications, comprising:

an input processor ~~for~~ intermittently ~~receiving~~ receives activity indications from a

plurality of concurrently operating applications, an individual activity indication being

generated in response to user action, and at least one activity indication includes one or

more of, (a) an identification of a particular user initiated session, (b) a URL to be

contacted if an activity notification is not successful, (c) an identification of a type of

event preventing an activity notification from being successful;

an activity monitor ~~for updating~~ updates individual activity status indicators,

corresponding to said plurality of concurrently operating applications, in response to said

received activity indications;

a comparator ~~for comparing~~ compares individual activity status indicators with

corresponding time-out threshold values to identify an application time-out event

indicated by a status indicator exceeding said time-out threshold and occurring during

normal operation of an application; and

a communication processor ~~for communicating~~ communicates notice of said

application time-out event to one of said plurality of concurrently operating applications.

11. (Previously Presented) A system according to claim 10, wherein

said activity indications received by said input processor are provided in response

to a user action and

said user action comprises at least one of, (a) keyboard activity, (b) mouse activity, (c) other data entry device activity and (d) another user initiated PC application operation activity.

12. (Original) A system according to claim 10, wherein

an activity status indicator comprises a time indication identifying when activity of a particular application was last reported, and

said time-out threshold comprises a predetermined time duration and said managing application determines said particular application to be inactive if said time indication exceeds said time-out threshold.

13. (Original) A system according to claim 10, wherein said input processor receives activity indications from a plurality of different commands including an activity notification command and a command involving at least one of, (a) determining a user operation session identifier from said managing application and (b) sending a URL to said managing application.

14. (Original) A system according to claim 10, wherein said communication processor communicates notice of said application time-out event to applications of said plurality of concurrently operating applications that have previously requested a notification of session termination.

15. (Original) A system according to claim 10, wherein said communication processor communicates notice of said application time-out event in response to at least one condition of, (a) a received command requesting notification and (b) a received communication from an application session having previously produced a time-out event and (c) automatically upon generation of said time-out event.

16. (Canceled).

17. (Original) A system according to claim 10, wherein said corresponding time-out threshold values comprise a common timeout period for said plurality of concurrently operating applications.

18. (Original) A system according to claim 10, wherein said comparator uses a predetermined default value for said time-out threshold values.

19. (Currently Amended) A system supporting concurrent operation of a plurality of Internet compatible applications, comprising:

a processor;

a computer-readable storage medium, the computer-readable storage medium being connected to the processor;

a browser application stored in the computer-readable storage medium and executable by the processor to , the browser application providing provide a browser user

interface display permitting user entry of identification information and commands for a

plurality of Internet compatible applications; and

a managing application ~~for receiving~~ <u>receives</u> activity indications from a plurality

of concurrently operating applications, an individual activity indication being generated

in response to user action, said plurality of concurrently operating applications being

initiated by user commands via said browser user interface, said received activity

indications being provided by individual applications sufficiently frequently to prevent an

inactivity timeout of said individual applications and during normal operation of an

individual application; wherein

<u>at least one activity indication includes one or more of, (a) an identification of a</u>

<u>particular user initiated session, (b) a URL to be contacted if an activity notification is not</u>

<u>successful, (c) an identification of a type of event preventing an activity notification from</u>

<u>being successful.</u>

20. (Currently Amended) A system according to claim 19, ~~wherein~~

~~said activity indication notification includes one or more of, (a) an identification~~

~~of a particular user initiated session, (b) a URL to be contacted if said activity notification~~

~~is not successful, (c) an identification of a type of event preventing said activity~~

~~notification from being successful~~

including an activity monitor for updating individual activity status indicators,

corresponding to said plurality of concurrently operating applications, in response to said

received activity indications.

21. (Original) A system according to claim 19, wherein a common timeout period is used as said inactivity timeout for said plurality of concurrently operating applications.

22. (Currently Amended) In a system supporting concurrent operation of a plurality of network compatible applications, a method comprising the activities of:

intermittently receiving activity indications from a plurality of concurrently operating applications, an individual activity indication being generated in response to user action and intermittently receiving one or more of, (a) an identification of a particular user initiated session, (b) a URL to be contacted if an activity notification is not successful, (c) an identification of a type of event preventing an activity notification from being successful;

updating individual activity status indicators, corresponding to said plurality of concurrently operating applications, in response to said received activity indications;

comparing individual activity status indicators with corresponding time-out threshold values to identify an application time-out event indicated by a status indicator exceeding said time-out threshold and occurring during normal operation of an application; and

communicating notice of said application time-out event to one of said plurality of concurrently operating applications.

23. (Currently Amended) A method employed by a first application operating in a system

supporting concurrent operation of a plurality of network compatible applications, said

method comprising the activities of:

enabling user access to a first application of a plurality of concurrently operating

applications in response to validation of user identification information; and

supporting intermittent communication by said first application of an activity

indication to a managing application within a timeout window, said activity indication

notification being generated in response to user action and being communicated

sufficiently often to prevent an inactivity timeout of said first application being initiated

during normal operation of said first application by said managing application in response

to said timeout window being exceeded; wherein

said first application and said managing application reside in one or more computers

and said first application notifies said managing application of one or more of, (a) a session

identifier for identifying a particular user initiated session, (b) a URL to be contacted if said

activity notification is not successful, (c) an identification of a type of event preventing said

activity notification from being successful.

24. (Currently Amended) In a system supporting concurrent operation of a plurality of

network compatible applications, a method comprising the activities of:

intermittently receiving activity indications from a plurality of concurrently

operating applications of a particular operating session of a user, an individual activity

indication being generated in response to user action and intermittently receiving one or

more of, (a) an identification of a particular user initiated session, (b) a URL to be

contacted if an activity notification is not successful, (c) an identification of a type of

event preventing an activity notification from being successful;

updating a single activity status indicator associated with said plurality of

concurrently operating applications of said particular operating session, in response to

said received activity indications;

comparing said single activity status indicator with a time-out threshold value to

identify a time-out event indicated by a status indicator exceeding said time-out threshold

and occurring during normal operation of an application; and

re-initializing said plurality of concurrently operating applications in response to

said comparison.

3.   REASONS FOR ALLOWANCE:

Claims 1-15 and 17-24 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in

independent claims 1, 10, 19, and 22-24.

The features *"said activity indication being generated in response to user action and being*

communicated sufficiently often to prevent an inactivity timeout of said first application

being initiated during normal operation of said first application by said managing

application in response to said timeout window being exceeded; wherein said first

application and said managing application reside in one or more computers and said first

application notifies said managing application of one or more of, (a) a session identifier for

identifying a particular user initiated session, (b) a URL to be contacted if said activity

notification is not successful, (c) an identification of a type of event preventing said activity

notification from being successful" (as recited in independent claims 1 and 23); *"an*

individual activity indication being generated in response to user action, and at least one

activity indication includes one or more of, (a) an identification of a particular user initiated

session, (b) a URL to be contacted if an activity notification is not successful, (c) an

identification of a type of event preventing an activity notification from being successful; and

a comparator compares individual activity status indicators with corresponding time-out

threshold values to identify an application time-out event indicated by a status indicator

exceeding said time-out threshold and occurring during normal operation of an application"

(as recited in independent claims 10, 22, and 24); and *"said plurality of concurrently*

operating applications being initiated by user commands via said browser user interface,

said received activity indications being provided by individual applications sufficiently

frequently to prevent an inactivity timeout of said individual applications and during normal

operation of an individual application; wherein at least one activity indication includes one

or more of, (a) an identification of a particular user initiated session, (b) a URL to be

contacted if an activity notification is not successful, (c) an identification of a type of event

preventing an activity notification from being successful" (as recited in independent claim

19) - **when taken in the context of the claims as a whole** - was not uncovered in the prior art teachings.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONTACT INFORMATION

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status information

for unpublished applications is available through Private PAIR only. For more information

about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access

to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197

(toll-free). If you would like assistance from a USPTO Customer Service Representative or

access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or

571-272-1000.

VAN H. NGUYEN
PRIMARY EXAMINER